



KING COUNTY
ENVIRONMENTAL LABORATORY SCIENTIST II
DEPARTMENT OF NATURAL RESOURCES AND PARKS
WATER & LAND RESOURCES DIVISION/TRACE ORGANICS UNIT
Annual Salary Range: \$53,810 - \$68,207
Job Announcement: 04MK4323
OPEN: 5/31/04 CLOSE: 6/21/04

WHO MAY APPLY: This career service position is open to all those who are currently employed within the Water & Land Resources Division, who are career service employees, executive branch regular exempt employees, or current probationary employees who achieved career service status in a previous position.

WHERE TO APPLY: Required forms and materials must be sent to: **Michelle Kobuki, Human Resources, 201 South Jackson, Suite 600, MS: KSC-NR-0600, Seattle, WA 98104** by 4:30 p.m. on the closing date. (Postmarks are NOT ACCEPTED). Contact (206) 296-1935 for questions regarding this announcement. You may download an application from the Internet address at <http://www.metrokc.gov/ohrm/jobs/JobApplications.htm>

FORMS AND MATERIALS REQUIRED: Submit a [King County application form](#), resume, a letter of interest that uses specific examples of past work experience to demonstrate your ability to meet or exceed the requirements, and answers to the attached supplemental questionnaire.

WORK LOCATION: Environmental Laboratory, 322 W. Ewing, Seattle, WA 98119-1597

WORK SCHEDULE: This full-time position is exempt from the provisions of the Fair Labor Standards Act, and is not overtime eligible. This position is based on a 40-hour workweek. The typical work schedule is 8:00 a.m. to 5:00 p.m. Monday - Friday. Periodic extended hours and occasional weekend work is required.

JOB DESCRIPTION: This position performs and interprets a variety of environmental laboratory trace organics analyses, using accepted Environmental Protection Agency (EPA) methods. Includes advanced analyses using complex analytical instrumentation, such as gas chromatography and gas chromatography/mass spectrometers. The position independently performs and requires independent judgement to troubleshoot analytical and instrument problems and to interpret laboratory tests. The position also provides consultation to within the laboratory and to laboratory customers in project planning and data interpretation.

PRIMARY JOB FUNCTIONS:

- Perform a wide variety of trace organics analyses using accepted EPA methods.
- Maintain and repair complex laboratory instruments.
- Validate, modify and expand existing methodologies, with oversight, to help bring new tests on line, troubleshoot existing tests, adapt to new testing situations, introduce efficiencies or to improve the quality of the data. Bring new analytical instruments or procedures on-line with assistance.
- Train and mentor less experienced analysts.
- Plan, evaluate and conduct QA/QC and proficiency testing programs. Incorporate certification and other regulatory requirements into laboratory services. Monitor and evaluate performance by subcontract laboratories.
- Consult with customers in planning projects, assigning analytical methods, solving problems and concerns related to the analyses, and serving as a technical resource for customers. Prepare reports summarizing results of laboratory analyses, with narrative highlights and data interpretation.
- Use computer software to perform calculations and store and track data.
- Develop or modify computer programs, recommend software and hardware enhancements, and troubleshoot computer-related difficulties.

- Order laboratory equipment, services and supplies: determine needs, evaluate alternatives, select vendors, do paperwork. Help develop equipment specifications and negotiate service contracts.
- Continue education and training in environmental and laboratory science, stay current on regulations and literature.

QUALIFICATIONS:

- A Bachelor's Degree in chemistry or any equivalent combination of education and experience. The equivalent combination of education and experience may be substituted year for year.
- Three years of professional experience working in a trace organics environmental laboratory including: specific experience in Gas Chromatography and/or Gas Chromatography/Mass Spectrometers and data processing systems, interpreting organics analytical data, and scientific report writing.
- In-depth knowledge of method limitations and interferences and of alternate methods of analysis.
- Knowledge of federal, Washington State and local environmental, health and safety regulations.
- Knowledge of theory behind complex analytical instrumentation, especially Gas Chromatography, Gas Chromatography/Mass Spectroscopy, and Gel Permeation Chromatography.
- Knowledge of EPA and other approved environmental laboratory analytical protocols.
- Skill in operating, maintaining and troubleshooting complex instrumentation, including Gas Chromatographs.
- Skill in prioritizing work and managing own time and in coordinating with others to facilitate teamwork.
- Skill in applying principles of customer service and continuous quality improvement.
- Skill in working with a diverse work group.
- Communications skills (oral and written, including professional report writing).
- Skill in training and mentoring less experienced analysts.
- Advanced consulting skills and skill in working effectively with customers.
- Skill in handling non-routine situations independently.
- Skill in group problem solving and decision making.
- Must be able to perform and have experience with all of the primary job functions.

DESIRED QUALIFICATIONS:

Working knowledge of all sample preparation methodologies for Environmental Trace Organic Chemistry analyses.

SUPPLEMENTAL QUESTION
ENVIRONMENTAL LABORATORY SCIENTIST II

Answers to the following questions must be completed and submitted with the application. The following questions address important elements of this position and the information you provide will help to determine your eligibility for further consideration. Please limit your response to each question to no more than one page (a total of two pages maximum).

1. Describe your experience and qualifications and why you would be the best candidate for this position. Focus on specific experience you have had performing sample preparation for organic analyses. Also discuss any experience with instrumentation you may have that would be relevant to this position.
2. In previous positions, how have you demonstrated taking independent action, seeking out new responsibilities and generating new ideas?